# PHOTONICS





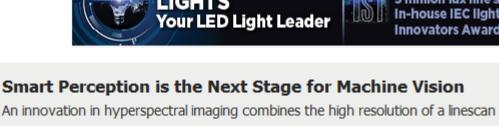






spectra

Monthly newsletter from the editors of Photonics Spectra, with features, popular topics, new products, and what's coming in the next issue.



Multi-Drive™ continuous and strobe internal driver 5 million lux line scan light In-house IEC light-safety testing lab

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## sensor with the capabilities of a snapshot camera. Intelligent robotics is one of the technological disruptions that will fundamentally alter society — both from an

industrial and a social perspective. And "smart perception" is a key concept that will drive this evolution toward intelligent robotics. Indeed, in the next 20 years, microsized cameras will look at every angle, depth, mode or change in any given scene and report back with all relevant information. Read Article (4) (in (1)



Flat Surface Lens Overcomes Limitations of Conventional

Optics







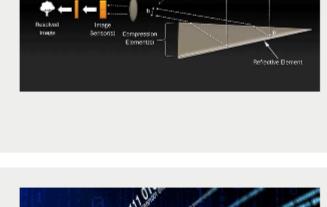


# which are prone to aberrations. For the first time, a novel flat surface lens system offers the potential for better resolution from a significantly more compact size.

many designs created for looking at distant objects, there is a fundamental weakness with the lens system. By necessity, telescopes use curved lenses —

The telescope has been used for more than 400 years. Although there have been

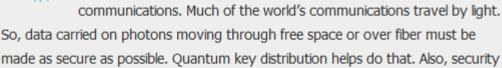
Read Article (4) (in (y) Via Photonics, Secure Communications Quantum key distribution as well as emerging techniques that harness

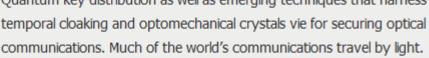


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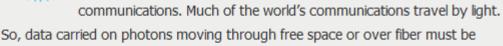
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horizon.









improvements via temporal cloaking and optomechanical crystals are on the

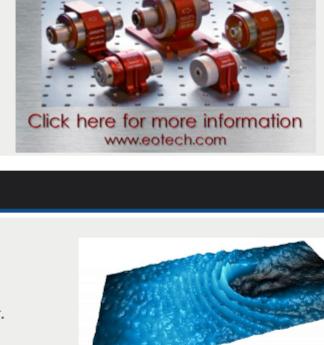
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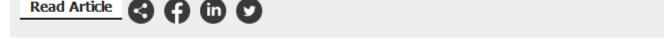
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Quantum Dots, Fluorescent Proteins Vie for Supremacy Rubber-like material embedded with fluorescent proteins could replace an inorganic phosphor in white hybrid LEDs.

Foliage-Piercing Lidar Surveys Hidden Ground

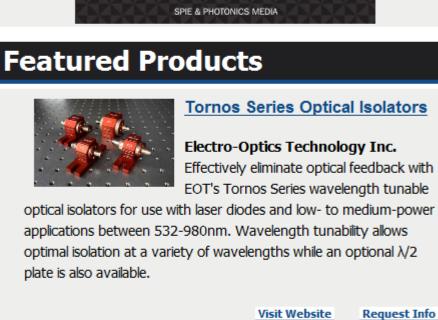
elements of terrain like foliage or netting.

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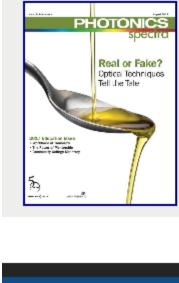
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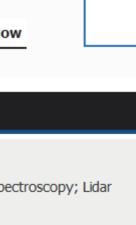
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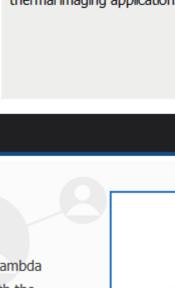
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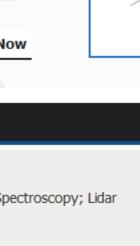
Research's TracePro software - a 3D CAD virtual prototyping program with the horsepower and tools to simulate and design light pipes. The webinar will cover effective methods and detailed procedures for simulating light propagation in a light pipe model; analyzing cross-talk effects; producing desired output objectives; and optimizing models for efficiency and output. This webinar is for

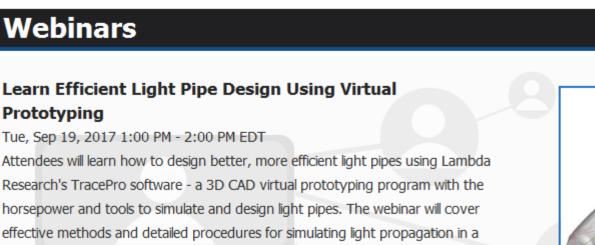
Coming in September... Optical Materials in Aerospace; Ultrafast Bandgap Photonics; Photoacoustic Spectroscopy; Lidar

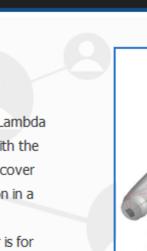


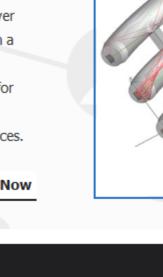


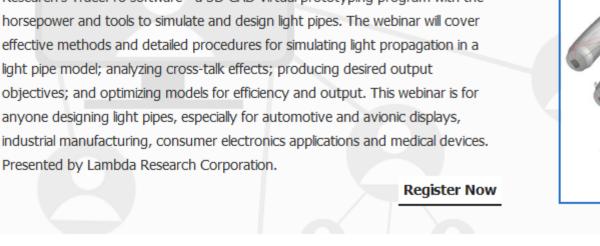


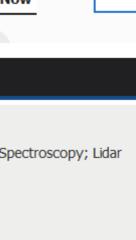


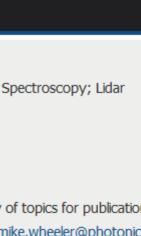












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